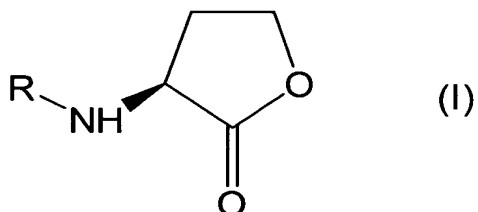


## ABSTRACT

The present invention relates to an Akt inhibitor comprising a compound represented by formula I:



wherein R is C<sub>4-30</sub> linear or branched acyl, which may be substituted. The present invention further relates to a method of screening for a substance inhibiting acylated homoserine lactone by culturing animal cells with a test substance in the presence of acylated homoserine lactone represented by the above formula I, and then detecting inhibition of Akt activity or inhibition of the survival signalling pathway in which Akt is involved in the cells.